

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
SQL> cl scr
```

```
SQL> --WHERE ROWNUM = 1 --Successful  
SQL> --WHERE ROWNUM = 4 --Not Successful  
SQL> --WHERE ROWNUM < 4 --Successful  
SQL> --WHERE ROWNUM > 4 --NOT Successful  
SQL> SELECT ROWNUM, Ename, Sal  
2 FROM Emp;
```

ROWNUM	ENAME	SAL
1	KING	5000
2	BLAKE	2850
3	CLARK	2450
4	JONES	2975
5	MARTIN	1250
6	ALLEN	1600
7	TURNER	1500
8	JAMES	950
9	WARD	1250
10	FORD	3000
11	SMITH	800
12	SCOTT	3000
13	ADAMS	1100
14	MILLER	1300

```
14 rows selected.
```

```
SQL> ED  
Wrote file afiedt.buf
```

```
1  SELECT ROWNUM, Ename, Sal  
2  FROM Emp  
3* WHERE Deptno = 10  
SQL> /
```

ROWNUM	ENAME	SAL
1	KING	5000
2	CLARK	2450
3	MILLER	1300

```
SQL> ED  
Wrote file afiedt.buf
```

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```
1  SELECT ROWNUM, Ename, Sal
2  FROM Emp
3* WHERE Deptno = 30
SQL> /
```

ROWNUM	ENAME	SAL
1	BLAKE	2850
2	MARTIN	1250
3	ALLEN	1600
4	TURNER	1500
5	JAMES	950
6	WARD	1250

6 rows selected.

```
SQL> cl scr
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT ROWNUM, Ename, Sal
2  FROM Emp
3* ORDER BY Sal
SQL> /
```

ROWNUM	ENAME	SAL
11	SMITH	800
8	JAMES	950
13	ADAMS	1100
9	WARD	1250
5	MARTIN	1250
14	MILLER	1300
7	TURNER	1500
6	ALLEN	1600
3	CLARK	2450
2	BLAKE	2850
4	JONES	2975
10	FORD	3000
12	SCOTT	3000
1	KING	5000

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```
14 rows selected.
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT ROWNUM, Ename, Sal
2  FROM Emp
3* ORDER BY ROWNUM
SQL> /
```

ROWNUM	ENAME	SAL
1	KING	5000
2	BLAKE	2850
3	CLARK	2450
4	JONES	2975
5	MARTIN	1250
6	ALLEN	1600
7	TURNER	1500
8	JAMES	950
9	WARD	1250
10	FORD	3000
11	SMITH	800
12	SCOTT	3000
13	ADAMS	1100
14	MILLER	1300

```
14 rows selected.
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT ROWNUM, Ename, Sal
2  FROM Emp
3* ORDER BY ROWNUM DESC
SQL> /
```

ROWNUM	ENAME	SAL
14	MILLER	1300
13	ADAMS	1100
12	SCOTT	3000
11	SMITH	800
10	FORD	3000

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```
9 WARD          1250
8 JAMES         950
7 TURNER        1500
6 ALLEN         1600
5 MARTIN        1250
4 JONES          2975
3 CLARK          2450
2 BLAKE          2850
1 KING           5000
```

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT ROWNUM, Empno, Ename, Sal
2  FROM Emp
3  /
```

ROWNUM	EMPNO	ENAME	SAL
1	7839	KING	5000
2	7698	BLAKE	2850
3	7782	CLARK	2450
4	7566	JONES	2975
5	7654	MARTIN	1250
6	7499	ALLEN	1600
7	7844	TURNER	1500
8	7900	JAMES	950
9	7521	WARD	1250
10	7902	FORD	3000
11	7369	SMITH	800
12	7788	SCOTT	3000
13	7876	ADAMS	1100
14	7934	MILLER	1300

14 rows selected.

```
SQL> SELECT ROWNUM, Empno, Ename, Sal
2  FROM Emp
3  WHERE ROWNUM = 1;
```

ROWNUM	EMPNO	ENAME	SAL
1	7839	KING	5000

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```
SQL> SELECT ROWNUM, Empno, Ename, Sal
  2  FROM Emp
  3 WHERE ROWNUM = 4;
```

no rows selected

```
SQL> SELECT ROWNUM, Empno, Ename, Sal
  2  FROM Emp
  3 WHERE ROWNUM < 4;
```

ROWNUM	EMPNO	ENAME	SAL
1	7839	KING	5000
2	7698	BLAKE	2850
3	7782	CLARK	2450

```
SQL> SELECT ROWNUM, Empno, Ename, Sal
  2  FROM Emp
  3 WHERE ROWNUM > 4;
```

no rows selected

```
SQL> cl scr
```

```
SQL> COLUMN SelectGraph FORMAT A16
SQL> SELECT
  2  Ename,
  3  LPAD ('*' , ROWNUM, '*') SelectGraph
  4  FROM Emp;
```

ENAME	SELECTGRAPH
KING	*
BLAKE	**
CLARK	***
JONES	****
MARTIN	*****
ALLEN	*****
TURNER	*****
JAMES	*****
WARD	*****
FORD	*****
SMITH	*****

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```
SCOTT      ****  
ADAMS      ****  
MILLER    ****
```

```
14 rows selected.
```

```
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```

```
1  SELECT  
2  Ename,  
3  LPAD('*' , ROWNUM, '*') SelectGraph,  
4  Sal  
5  FROM Emp  
6* ORDER BY Sal  
SQL> /
```

ENAME	SELECTGRAPH	SAL
SMITH	*****	800
JAMES	*****	950
ADAMS	*****	1100
WARD	*****	1250
MARTIN	****	1250
MILLER	*****	1300
TURNER	*****	1500
ALLEN	****	1600
CLARK	***	2450
BLAKE	**	2850
JONES	***	2975
FORD	*****	3000
SCOTT	*****	3000
KING	*	5000

```
14 rows selected.
```

```
SQL> COLUMN SelectGraph FORMAT A16  
SQL> COLUMN SalGraph FORMAT A20  
SQL> SELECT  
2  Ename,  
3  LPAD('*' , ROWNUM, '*') SelectGraph,  
4  LPAD('*', Sal/500, '*') SalGraph  
5  FROM Emp;
```

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ENAME	SELECTGRAPH	SALGRAPH
KING	*	*****
BLAKE	**	****
CLARK	***	***
JONES	****	****
MARTIN	*****	**
ALLEN	*****	***
TURNER	*****	***
JAMES	*****	*
WARD	*****	**
FORD	*****	****
SMITH	*****	*
SCOTT	*****	****
ADAMS	*****	**
MILLER	*****	**

14 rows selected.

SQL> cl scr

SQL> ED
Wrote file afiedt.buf

```
1  SELECT
2  ROWNUM Seqno,
3  LPAD(' ', ROWNUM, ' ') Pattern
4  FROM Emp
5* WHERE ROWNUM <= 5
```

SQL> /

SEQNO	PATTERN
1	*
2	**
3	***

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```
4
*****
5
*****
```

```
SQL> COL Pattern FORMAT A10
SQL> R
1  SELECT
2  ROWNUM Seqno,
3  LPAD('*', ROWNUM, '*') Pattern
4  FROM Emp
5* WHERE ROWNUM <= 5

SEQNO PATTERN
-----
1   *
2   **
3   ***
4   ****
5   *****
```

```
SQL> ED
Wrote file afiedt.buf

1  SELECT
2  ROWNUM Seqno,
3  LPAD('*', ROWNUM, '*') Pattern
4  FROM Emp
5  WHERE ROWNUM <= 5
6* ORDER BY ROWNUM DESC
SQL> /

```

```
SEQNO PATTERN
-----
5   *****
4   ****
3   ***
2   **
1   *
```

```
SQL> cl scr
```

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```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT
2  ROWNUM Seqno, Ename, Sal
3  FROM Emp
4* ORDER BY Sal
SQL> /
```

SEQNO	ENAME	SAL
11	SMITH	800
8	JAMES	950
13	ADAMS	1100
9	WARD	1250
5	MARTIN	1250
14	MILLER	1300
7	TURNER	1500
6	ALLEN	1600
3	CLARK	2450
2	BLAKE	2850
4	JONES	2975
10	FORD	3000
12	SCOTT	3000
1	KING	5000

```
14 rows selected.
```

```
SQL> SELECT ROWNUM, Ename, Sal
2  FROM Emp
3  WHERE ROWNUM < 6
4  ORDER BY Sal DESC;
```

ROWNUM	ENAME	SAL
1	KING	5000
4	JONES	2975
2	BLAKE	2850
3	CLARK	2450
5	MARTIN	1250

```
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```

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```
1  SELECT ROWNUM, Ename, Sal
2  FROM
3  (
4  SELECT
5  Ename, Sal
6  FROM Emp
7  ORDER BY Sal
8* )
SQL> /
```

ROWNUM	ENAME	SAL
1	SMITH	800
2	JAMES	950
3	ADAMS	1100
4	WARD	1250
5	MARTIN	1250
6	MILLER	1300
7	TURNER	1500
8	ALLEN	1600
9	CLARK	2450
10	BLAKE	2850
11	JONES	2975
12	FORD	3000
13	SCOTT	3000
14	KING	5000

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT *
2  FROM
3  (
4  SELECT Ename, Sal, Deptno, Job
5  FROM Emp
6  ORDER BY Sal DESC
7  )
8 WHERE ROWNUM < 6;
```

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT

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```
FORD          3000      20 ANALYST
SCOTT         3000      20 ANALYST
JONES          2975      20 MANAGER
BLAKE          2850      30 MANAGER
```

```
SQL> cl scr
```

```
SQL> SELECT LEVEL, ROWNUM, Ename, Sal
  2  FROM Emp
  3  WHERE ROWNUM < 6
  4  START WITH Ename = 'KING'
  5  CONNECT BY PRIOR Empno = MGR
  6  ORDER BY Sal DESC;
```

LEVEL	ROWNUM	ENAME	SAL
1	1	KING	5000
3	3	SCOTT	3000
3	5	FORD	3000
2	2	JONES	2975
4	4	ADAMS	1100

```
SQL> cl scr
```

```
SQL> SELECT E1.*, E1.Sal * 12 AnnSal
  2  FROM
  3  (
  4  SELECT Ename, Sal, Deptno, Job
  5  FROM Emp
  6  ORDER BY Sal DESC
  7  ) E1
  8  WHERE ROWNUM < 6;
```

ENAME	SAL	DEPTNO	JOB	ANNSAL
KING	5000	10	PRESIDENT	60000
FORD	3000	20	ANALYST	36000
SCOTT	3000	20	ANALYST	36000
JONES	2975	20	MANAGER	35700
BLAKE	2850	30	MANAGER	34200

```
SQL> cl scr
```

```
SQL> SELECT ROWNUM, E1.*
```

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```
2 FROM
3 (
4 SELECT ROWNUM, Ename, Sal, Deptno, Job
5 FROM Emp
6 ORDER BY Sal DESC
7 ) E1
8 WHERE ROWNUM < 6;
```

ROWNUM	ROWNUM	ENAME	SAL	DEPTNO	JOB
1	1	KING	5000	10	PRESIDENT
2	10	FORD	3000	20	ANALYST
3	12	SCOTT	3000	20	ANALYST
4	4	JONES	2975	30	MANAGER
5	2	BLAKE	2850	30	MANAGER

```
SQL> SPOOL OFF
```

Oracle By Sathish Yellanki (SKYESS)

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